

查询1N4775A供应商

捷多邦, 专业PCB打样工厂, 24小时
加急出货

1N4775 thru 1N4784A

Microsemi Corp.

The diode experts

SANTA ANA, CA

SCOTTSDALE, AZ

For more information call:
(602) 941-6300

FEATURES

- ZENER VOLTAGE $8.5V \pm 5\%$ (See Note 4)
- TEMPERATURE COEFFICIENT RANGE: 0.01%/°C TO 0.0005%/°C
- RADIATION HARDENED DEVICES AVAILABLE (SEE NOTE 1)

MAXIMUM RATINGS

Operating Temperature: -65°C to $+175^{\circ}\text{C}$

DC Power Dissipation: 250 mW

Power Derating: 2 mW/°C above 50°C

* ELECTRICAL CHARACTERISTICS

@ 25°C , unless otherwise specified

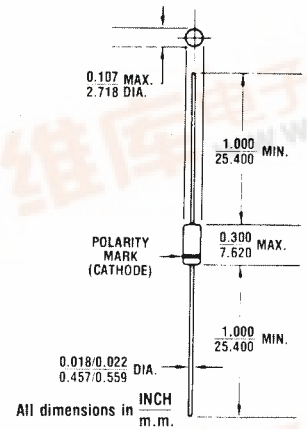
| JEDEC TYPE NUMBER | ZENER VOLTAGE (NOTE 5) | ZENER TEST CURRENT | MAXIMUM DYNAMIC IMPEDANCE (NOTE 2) | MAXIMUM VOLTAGE TEMPERATURE STABILITY (NOTES 3 & 5) | TEMPERATURE RANGE | EFFECTIVE TEMPERATURE COMPENSATIONS α_{VZ} |
|-------------------------|------------------------------|--------------------------|---|---|----------------------|--|
| | V_Z @ I_{ZT} VOLTS | I_{ZT} mA | Z_{ZT} OHMS | ΔV_{ZT} mV | $^{\circ}\text{C}$ | %/°C |
| 1N4775 | 8.5 | 0.5 | 200 | 64 | 0 to +75 | 0.01 |
| 1N4775A | 8.5 | 0.5 | 200 | 132 | -55 to +100 | 0.01 |
| 1N4776 | 8.5 | 0.5 | 200 | 32 | 0 to +75 | 0.005 |
| 1N4776A | 8.5 | 0.5 | 200 | 66 | -55 to +100 | 0.005 |
| 1N4777 | 8.5 | 0.5 | 200 | 13 | 0 to +75 | 0.002 |
| 1N4777A | 8.5 | 0.5 | 200 | 26 | -55 to +100 | 0.002 |
| 1N4778 | 8.5 | 0.5 | 200 | 6 | 0 to +75 | 0.001 |
| 1N4778A | 8.5 | 0.5 | 200 | 13 | -55 to +100 | 0.001 |
| 1N4779 | 8.5 | 0.5 | 200 | 3 | 0 to +75 | 0.0005 |
| 1N4779A | 8.5 | 0.5 | 200 | 7 | -55 to +100 | 0.0005 |
| 1N4780 | 8.5 | 1.0 | 100 | 64 | 0 to +75 | 0.01 |
| 1N4780A | 8.5 | 1.0 | 100 | 132 | -55 to +100 | 0.01 |
| 1N4781 | 8.5 | 1.0 | 100 | 32 | 0 to +75 | 0.005 |
| 1N4781A | 8.5 | 1.0 | 100 | 66 | -55 to +100 | 0.005 |
| 1N4782 | 8.5 | 1.0 | 100 | 13 | 0 to +75 | 0.002 |
| 1N4782A | 8.5 | 1.0 | 100 | 26 | -55 to +100 | 0.002 |
| 1N4783 | 8.5 | 1.0 | 100 | 6 | 0 to +75 | 0.001 |
| 1N4783A | 8.5 | 1.0 | 100 | 13 | -55 to +100 | 0.001 |
| 1N4784 | 8.5 | 1.0 | 100 | 3 | 0 to +75 | 0.0005 |
| 1N4784A | 8.5 | 1.0 | 100 | 7 | -55 to +100 | 0.0005 |

*JEDEC Registered Data.

NOTE 1 Designate Radiation Hardened devices with "RH" prefix instead of "1N," i.e., RH4784A.

NOTE 2 Consult factory for TX, TXV or JANS equivalent SCDs.

8.5 VOLT TEMPERATURE COMPENSATED ZENER REFERENCE DIODES



MECHANICAL CHARACTERISTICS

CASE: Hermetically sealed glass case, DO-7.

FINISH: All external surfaces are corrosion resistant and leads solderable.

THERMAL RESISTANCE: $300^{\circ}\text{C}/\text{W}$ (Typical) junction to lead at 0.375-inches from body.

POLARITY: Diode to be operated with the banded end positive with respect to the opposite end.

WEIGHT: 0.2 grams.

MOUNTING POSITION: Any.



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NOTE 2 Measured by superimposing I_z ac rms on I_z DC @ 25° C where I_z ac rms = 10% I_z DC.

NOTE 3 Maximum allowable change between any two discrete temperatures over the specified temperature change.

NOTE 4 When ordering devices with a tighter tolerance than specified, use a nominal center voltage of 8.8 volts.

NOTE 5 Voltage measurements to be performed 15 seconds after application of DC current.

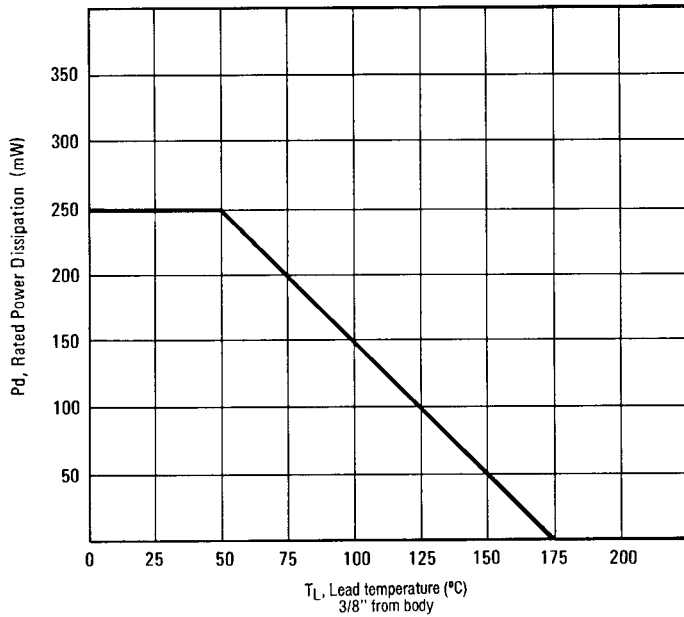


FIGURE 2 POWER DERATING CURVE